

Attorney Docket No.: 3COM-3651.BCG.US.P

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
Patent Application

Inventor(s): Rubenstein

Group Art Unit: ~~2184~~ 2664

Filed: August 6, 2001

Examiner: ~~Not yet assigned.~~  
SHAH.C

Serial No.: 09/923,848

Title: DEVICE AND METHOD FOR MANAGING FAULT DETECTION AND FAULT ISOLATION IN  
VOICE AND DATA NETWORKS**RECEIVED**Form 1449

JUL 10 2003

**U.S. Patent Documents**

Technology Center 2100

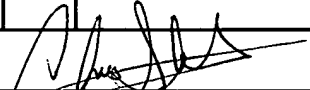
| Examiner Initial | No. | Patent No. | Date   | Patentee        | Class | Sub-class | Filing Date |
|------------------|-----|------------|--------|-----------------|-------|-----------|-------------|
| C.G.S.           | A   | 6,021,495  | 2/1/00 | Jain et al.     | 713   | 201       | 5/30/97     |
| C.G.S.           | B   | 6,085,243  | 7/4/00 | Fletcher et al. | 709   | 224       | 12/13/96    |
|                  | C   |            |        |                 |       |           |             |
|                  | D   |            |        |                 |       |           |             |
|                  | E   |            |        |                 |       |           |             |

**Foreign Patent or Published Foreign Patent Application**

| Examiner Initial | No. | Document No. | Publication Date | Country or Patent Office | Class | Sub-class | Translation |    |
|------------------|-----|--------------|------------------|--------------------------|-------|-----------|-------------|----|
|                  |     |              |                  |                          |       |           | Yes         | No |
| C.G.S.           | F   | 0 573204 A2  | 12/8/93          | EPO                      | H04L  | 12/40     |             |    |
| C.G.S.           | G   | WO 99/57854  | 11/11/99         | PCT                      | H04L  | 12/42     |             |    |
| C.G.S.           | H   | WO 00/30293  | 5/25/00          | PCT                      | H04L  | 12/00     |             |    |
|                  | I   |              |                  |                          |       |           |             |    |
|                  | J   |              |                  |                          |       |           |             |    |
|                  | K   |              |                  |                          |       |           |             |    |

**Other Documents**

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication  |
|------------------|-----|---|
| C.G.S.           | L   | Huang J. et al., "An Open Solution to Fault-Tolerant Ethernet: Design, Prototyping and Evaluation" Performance, Computing and Communications Conference, 1999 IEEE International Scottsdale, AZ USA 1—12 Feb. 1999, Piscatawa, NH, USA IEEE, US 1- February 1999, pages 461-468, XP010323654 ISBN: 0-7803-5258-0 page 461.  |
| C.S.S.           | M   | Anonymous: "Black Box-Modular Intelligent Hub" Black Box Corp., Online 1997, pages 1-4, XP002233813 Retrieved from the Internet: URL: <a href="http://www.blackbox.com/faxbacks/19000/19242.PDF">http://www.blackbox.com/faxbacks/19000/19242.PDF</a>   |
| C.S.S.           | N   | Protogers A. Et Al.: "Traffic Analyser And Generator/Traffic Capture, Generation, Statistics And Network Integrity Tests Program In C" Computer Communications. Elsevier Science Publishers BV, Amsterdam, NI, Vol. 13, No. 8, 1 October 1990, Pages 469-477, XP000161022 ISSN: 0145-3664 Page 473, Left-Hand Column, Paragraph 2 Page 474, Paragraph 1; Figure 6 |

|  |   |   |
|--|---|---|
| CAS  | O | IEEE: "P802.3af-IEEE DTE Power via MDI Objectives" IEEE 802.3 Standard, Online 10 November 1999, page 1 XP002233819, Retrieved from the Internet: URL: <a href="http://grouper.ieee.org/groups./802/3/af/objectives.pdf">http://grouper.ieee.org/groups./802/3/af/objectives.pdf</a> , retrieved 3/7/03 |
| CAS  | P | Fletcher P: "Ethernet Analyzer Spots Trouble Before the Network Crashes: Electronics, VNU Business Publications, New York, US vol. 61, no. 4 18 February 1988 (1988-02-18), pages 54D-54E, XP000811430 ISSN: 0883-4989 page 54D.  |
| Examiner  |   | Date Considered 2/6/04  |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

RECEIVED

JUL 10 2003

Technology Center 2100